

Title (en)

A process for the regeneration of particulate matter with oxygen and carbon dioxide.

Title (de)

Verfahren zum Regenerieren von teilchenförmigem Material mit Sauerstoff und Kohlenstoffdioxid.

Title (fr)

Procédé pour la régénération de matière en particules avec de l'oxygène et du dioxyde de carbone.

Publication

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Application

EP 83107455 A 19830728

Priority

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Abstract (en)

A process is disclosed for a regenerator operated with carbon dioxide and oxygen-containing regenerator feed gas wherein the flue gas emanating from the overhead of the regenerator as effluent is processed to reduce NO_x contaminant and is oxidized to convert carbon monoxide to carbon dioxide. A portion of the resultant compressed stream is recycled as a diluent CO₂ gas to be mixed with oxygen regenerator feed gas. Another portion of the stream is compressed, dried and distilled to remove SO_x and a pure CO₂ product for export. Residual CO₂ and O₂ from the distillation is recycled to the regenerator optionally.

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